

RESULT 9
US-08-411-795B-398/c
; Sequence 398, Application US/08411795B
; Patent No. 5604116
; GENERAL INFORMATION:
; APPLICANT: Abrams, Mark A.
; APPLICANT: Bauer, S. C.
; APPLICANT: Braford-Goldberg, Sarah R.
; APPLICANT: Caparon, Maire H.
; APPLICANT: Easton, Alan M.
; APPLICANT: Klein, Barbara K.
; APPLICANT: McKearn, John P.
; APPLICANT: Olins, Peter O.
; APPLICANT: Paik, Kuman
; APPLICANT: Thomas, John W.
; TITLE OF INVENTION: Interleukin-3 (IL-3) Multiple Mutation
; TITLE OF INVENTION: Polypeptides
; NUMBER OF SEQUENCES: 415
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dennis A. Bennett, G.D. Searle & Co.,
; ADDRESSEE: Corporate Patent Dept.
; STREET: P. O. Box 5110
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60680
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/411,795B
; FILING DATE: 04-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/981,044
; FILING DATE: 24-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/11197
; FILING DATE: 22-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Bennett, Dennis A.
; REGISTRATION NUMBER: 34,547
; REFERENCE/DOCKET NUMBER: C2713/2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (708)470-6501
; TELEFAX: (708)470-6881
; INFORMATION FOR SEQ ID NO: 398:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 339 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-411-795B-398

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Query Match 2.2%; Score 18; DB 2; Length 339;
Best Local Similarity 100.0%; Pred. No. 48;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 162 TCATTGAGGTTGTTGAAG 179
|||||||
Db 89 TCATTGAGGTTGTTGAAG 72

L1 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2006 ACS on STN
RN 9013-08-5 REGISTRY
ED Entered STN: 16 Nov 1984
CN Carboxykinase, phosphoenolpyruvate (guanosine triphosphate) (9CI) (CA
INDEX NAME)
OTHER NAMES:
CN E.C. 4.1.1.32
CN PEP carboxykinase
CN PEP carboxykinase (GTP)
CN PEP carboxylase
CN Phosphoenolpyruvate (guanosine triphosphate) carboxykinase
CN **Phosphoenolpyruvate carboxykinase**
CN Phosphoenolpyruvate carboxykinase (GTP)
CN Phosphoenolpyruvate carboxykinase (guanosine triphosphate)
CN Phosphoenolpyruvate carboxylase
CN Phosphoenolpyruvate carboxylase (GTP)
CN Phosphoenolpyruvic carboxykinase
CN Phosphoenolpyruvic carboxykinase (GTP)
CN Phosphoenolpyruvic carboxykinase (inosine triphosphate)
CN Phosphoenolpyruvic carboxylase
CN Phosphoenolpyruvic carboxylase (GTP)
CN Phosphoenolpyruvic carboxylase (inosine triphosphate)
CN Phosphopyruvate carboxykinase
CN Phosphopyruvate carboxykinase (GTP)
CN Phosphopyruvate carboxylase
CN Phosphopyruvate carboxylase (GTP)
DR 9035-78-3
MF Unspecified
CI MAN
LC STN Files: ADISNEWS, AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA,
CAPLUS, CIN, CSCHM, EMBASE, NIOSHTIC, PROMT, TOXCENTER, USPAT2,
USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

=> d full his

(FILE 'HOME' ENTERED AT 10:13:22 ON 06 JAN 2006)

FILE 'REGISTRY' ENTERED AT 10:13:30 ON 06 JAN 2006

L1 1 SEA ABB=ON PLU=ON 9013-08-5/RN

FILE 'HCAPLUS' ENTERED AT 10:13:50 ON 06 JAN 2006

FILE 'REGISTRY' ENTERED AT 10:13:55 ON 06 JAN 2006

L2 SET SMARTSELECT ON
SEL PLU=ON L1 1- CHEM : 22 TERMS
SET SMARTSELECT OFF

FILE 'HCAPLUS' ENTERED AT 10:13:56 ON 06 JAN 2006

L3 7236 SEA ABB=ON PLU=ON L2
L4 40 SEA ABB=ON PLU=ON L3 (L) (CORYNEFORM BACTER? OR CORYNEBACTERI
A OR CORYNEBACTERIA GLUTAMICUM OR (BACTERIA (L) CORYNEFORM))
L5 9 SEA ABB=ON PLU=ON L4 (L) (DNA OR CDNA OR NUCLEIC ACID OR
POLYNUCLEOTIDE OR VECTOR OR HOST)
L6 4 SEA ABB=ON PLU=ON L5 AND PD<19990708

NiceZyme View of ENZYME: EC 4.1.1.32

Official Name			
Phosphoenolpyruvate carboxykinase (GTP).			
Alternative Name(s)			
PEP carboxykinase.			
PEPCK.			
Phosphoenolpyruvate carboxykinase.			
Phosphoenolpyruvate carboxylase.			
Phosphopyruvate carboxylase.			
Reaction catalysed			
GTP + oxaloacetate <=> GDP + phosphoenolpyruvate + CO(2)			
Comment(s)			
ITP can act as phosphate donor.			
Human Genetic Disease(s)			
PEPCK deficiency	MIM:261650		
Cross-references			
Biochemical Pathways; map number(s)	E5 ; F5		
PROSITE	PDOC00421		
BRENDA	4.1.1.32		
PUMA2	4.1.1.32		
PRIAM enzyme-specific profiles	4.1.1.32		
Kyoto University LIGAND chemical database	4.1.1.32		
IUBMB Enzyme Nomenclature	4.1.1.32		
IntEnz	4.1.1.32		
MEDLINE	Find literature relating to 4.1.1.32		
MetaCyc	4.1.1.32		
UniProtKB/Swiss-Prot	Q8HYZ4, PPCKC_BOVIN;	P05153, PPCKC_CHICK;	P35558, PPCKC_HUMAN;
	Q922V4, PPCKC_MOUSE;	Q5R5J1, PPCKC_PONPY;	P07379, PPCKC_RAT;
	P21642, PPCKM_CHICK;	Q16822, PPCKM_HUMAN;	Q8BH04, PPCKM_MOUSE;
	Q6F8P2, PPCK_ACIAD;	Q05893, PPCK_ASCSU;	Q5P2P8, PPCK_AZOSE;
	Q7WJQ9, PPCK_BORBR;	Q7WAK8, PPCK_BORPA;	Q62FI7, PPCK_BURMA;
	Q63VB7, PPCK_BURPS;	Q5L4X1, PPCK_CHLAB;	Q821M4, PPCK_CHLCV;
	Q08262, PPCK_CHLLI;	Q9PLL6, PPCK_CHLMU;	Q9Z755, PPCK_CHLPN;
	Q8KAD1, PPCK_CHLTE;	O84716, PPCK_CHLTR;	Q6NET5, PPCK_CORDI;
	Q8FM16, PPCK_COREF;	Q9AEM1, PPCK_CORGL;	Q4JY04, PPCK_CORJK;
	P20007, PPCK_DROME;	P80525, PPCK_FASHE;	Q746Y3, PPCK_GEOSL;
	P29190, PPCK_HAECO;	Q6AGS4, PPCK_LEIXX;	P65687, PPCK_MYCBO;
	O06084, PPCK_MYCLE;	Q73TS2, PPCK_MYCPA;	Q9AGJ6, PPCK_MYCSM;
	P65686, PPCK_MYCTU;	P22130, PPCK_NEOFR;	Q5YNB0, PPCK_NOCFA;
	Q9UY53, PPCK_PYRAB;	Q8U410, PPCK_PYRFU;	O58050, PPCK_PYRHO;
	Q6F494, PPCK_PYRKO;	Q8Y3G3, PPCK_RALSO;	Q82I71, PPCK_STRAW;
Q93JL5, PPCK_STRCO;	Q4J9S8, PPCK_SULAC;	Q97VS5, PPCK_SULSO;	
Q972S7, PPCK_SULTO;	Q9HLV2, PPCK_THEAC;	P58306, PPCK_THEVO;	